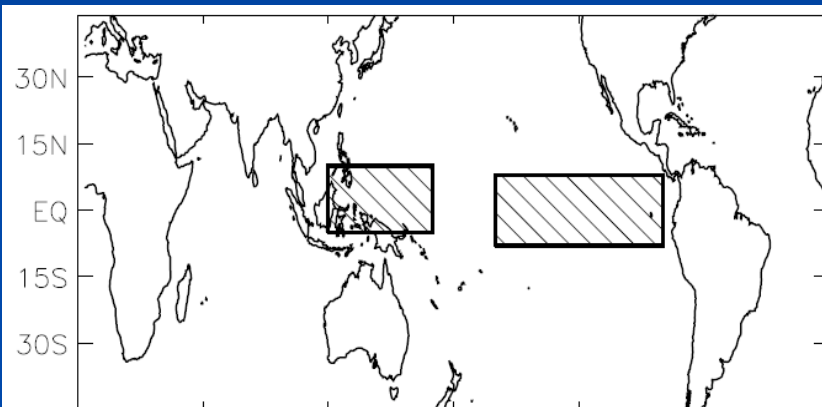


The characteristics of different cloud types and their associated radiative forcing during 1998 El Nino

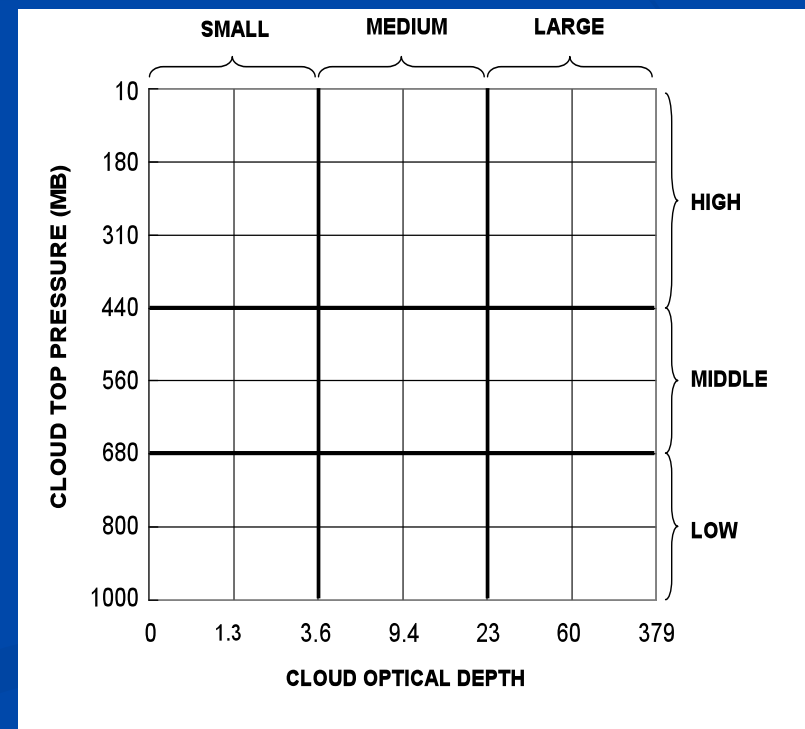
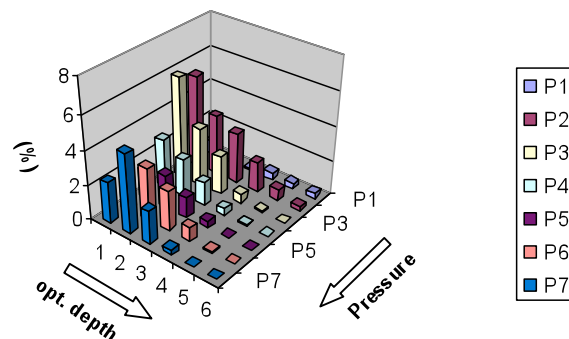
Moguo Sun and Robert D. Cess

Motivation:

Use CERES satellite SSF data to quantify the cloud amounts and their radiative properties of different cloud types of the 1998 El Nino to offer observational constraints to model simulations with the aim to improve model simulations of cloud amounts and radiative budgets.



TWP cloud fraction (01/98)



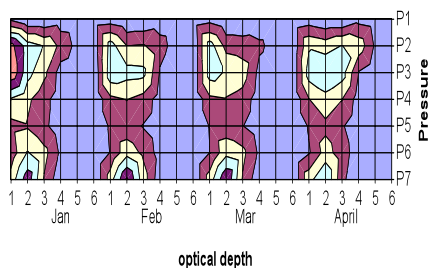
TWP

EST

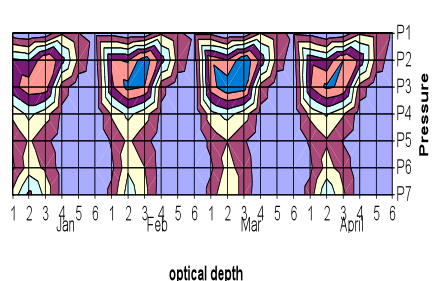
TWP SWCRF

EST SWCRF

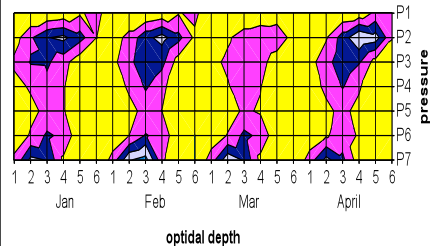
TWP cloud fraction



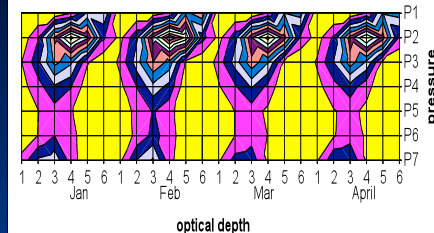
EST cloud fraction



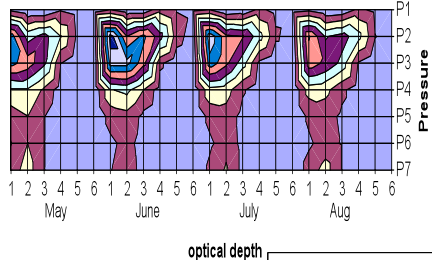
SWCRF (01/98-04/98)



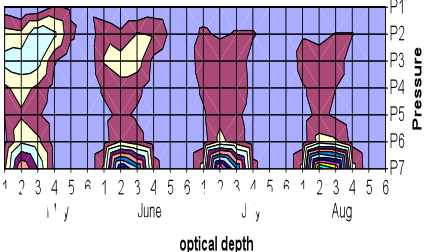
EST SWCRF (01/98-04/98)



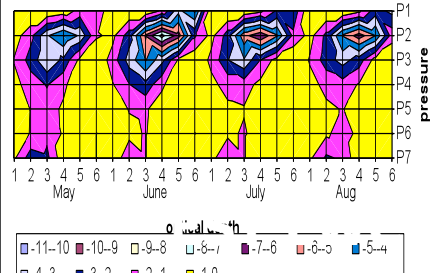
TWP cloud fraction



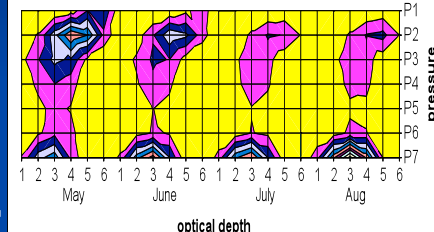
EST cloud fraction



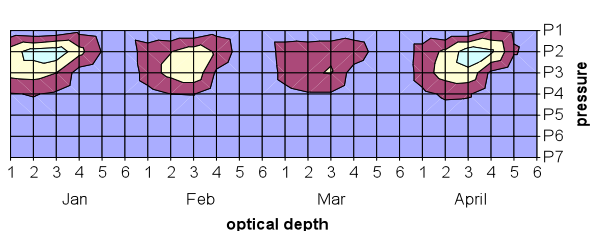
SWCRF (05/98-08/98)



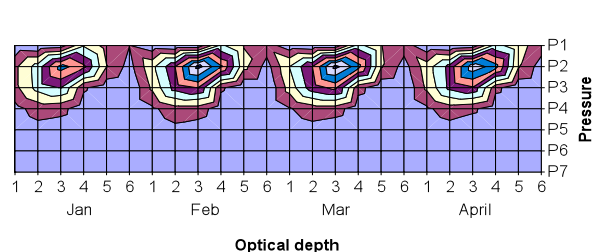
EST SWCRF (05/98-08/98)



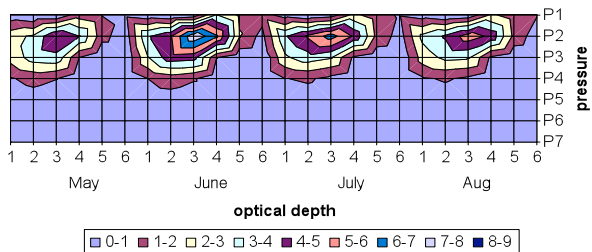
TWP LWCRF (01/98-04/98)



EST LWCRF (01/98-04/98)



TWP LWCRF (05/98-08/98)



EST LWCRF (05/98-08/98)

